

FIGURE 1

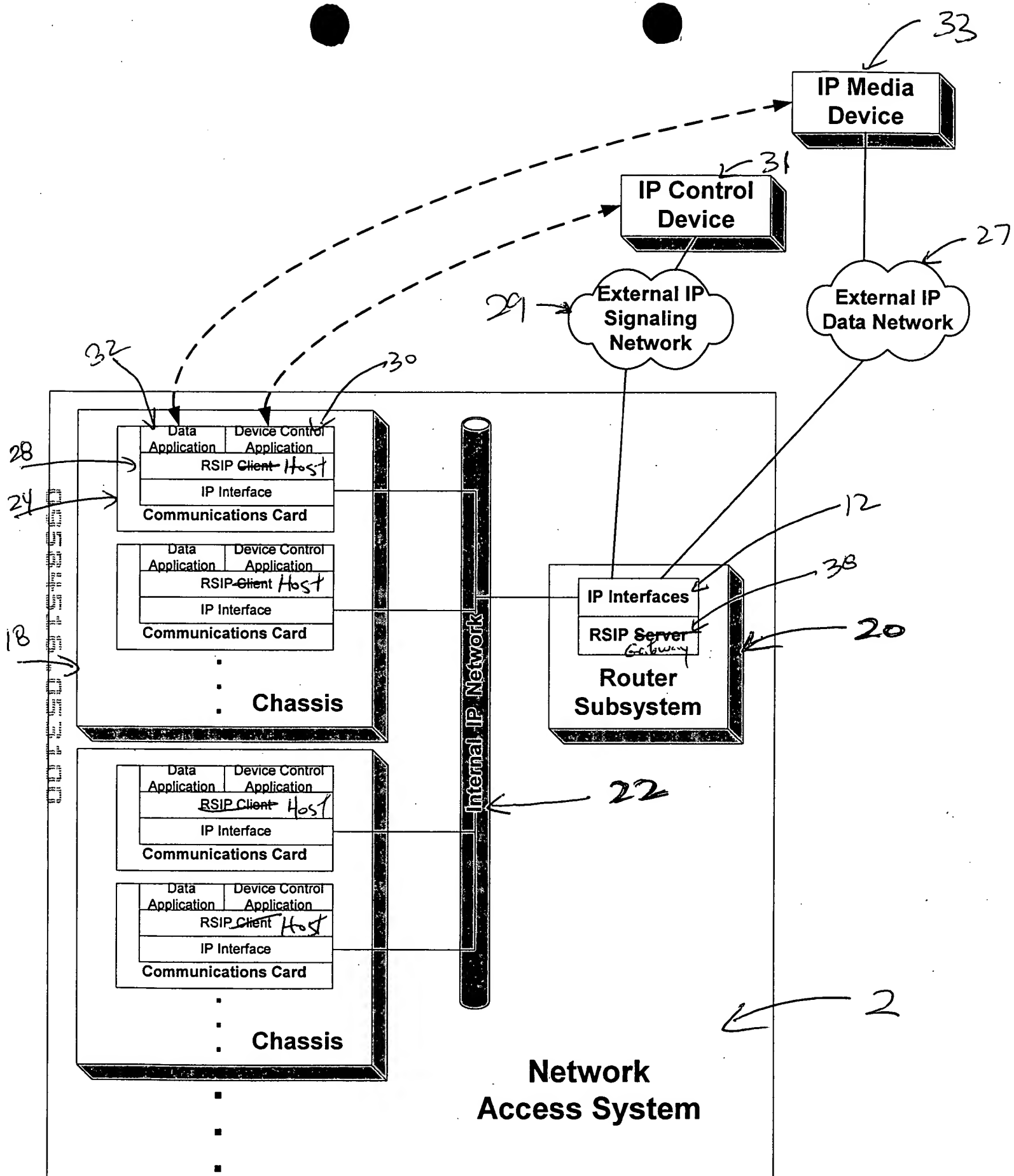
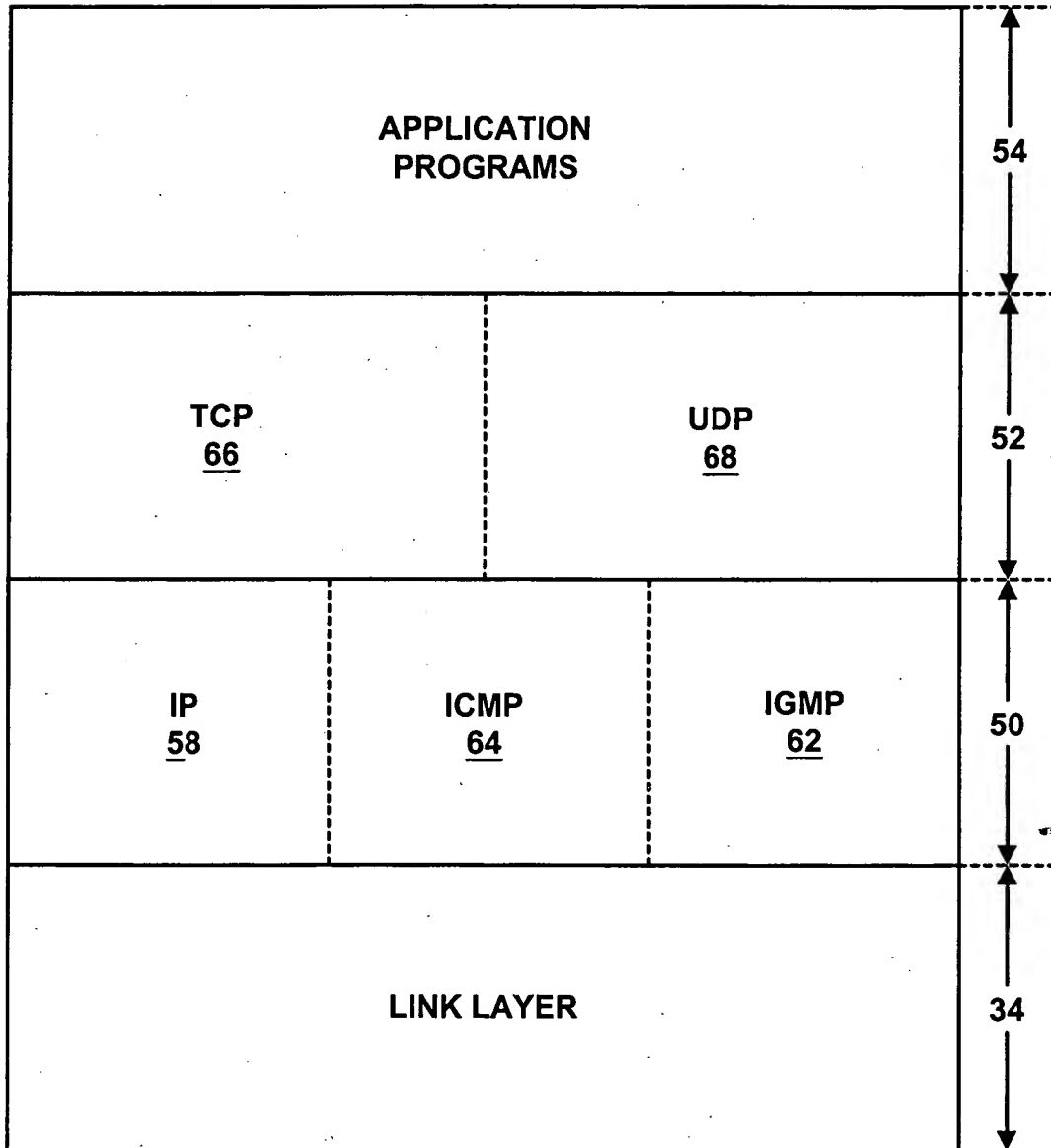


FIGURE 2

**FIG. 3**  
**RSIP PROTOCOL**  
**STACK**



# 1. Introduction

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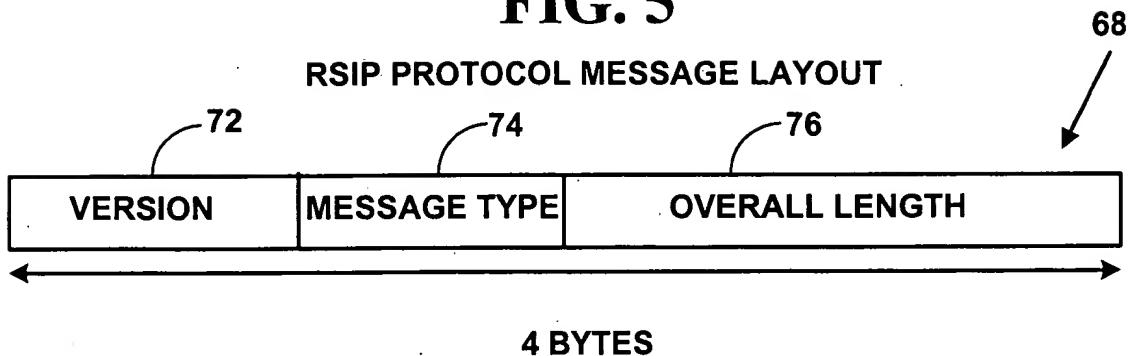
graph TD
    72[REGISTER REQUEST MESSAGE]
    74[REGISTER RESPONSE MESSAGE]
    76[ASSIGN REQUEST MESSAGE]
    78[ASSIGN RESPONSE MESSAGE]
  
```

The diagram consists of four vertically stacked rectangular boxes, each representing a different message type. The boxes are labeled as follows:

- REGISTER REQUEST MESSAGE** (72)
- REGISTER RESPONSE MESSAGE** (74)
- ASSIGN REQUEST MESSAGE** (76)
- ASSIGN RESPONSE MESSAGE** (78)

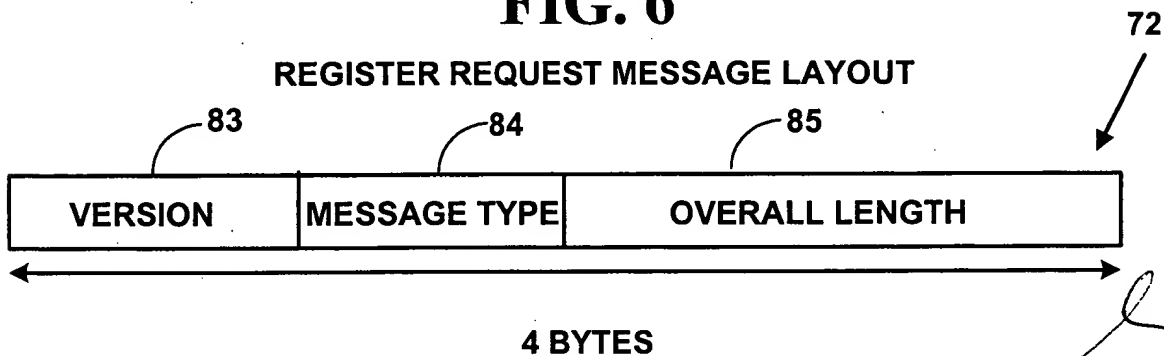
# FIG. 5

## RSIP PROTOCOL MESSAGE LAYOUT



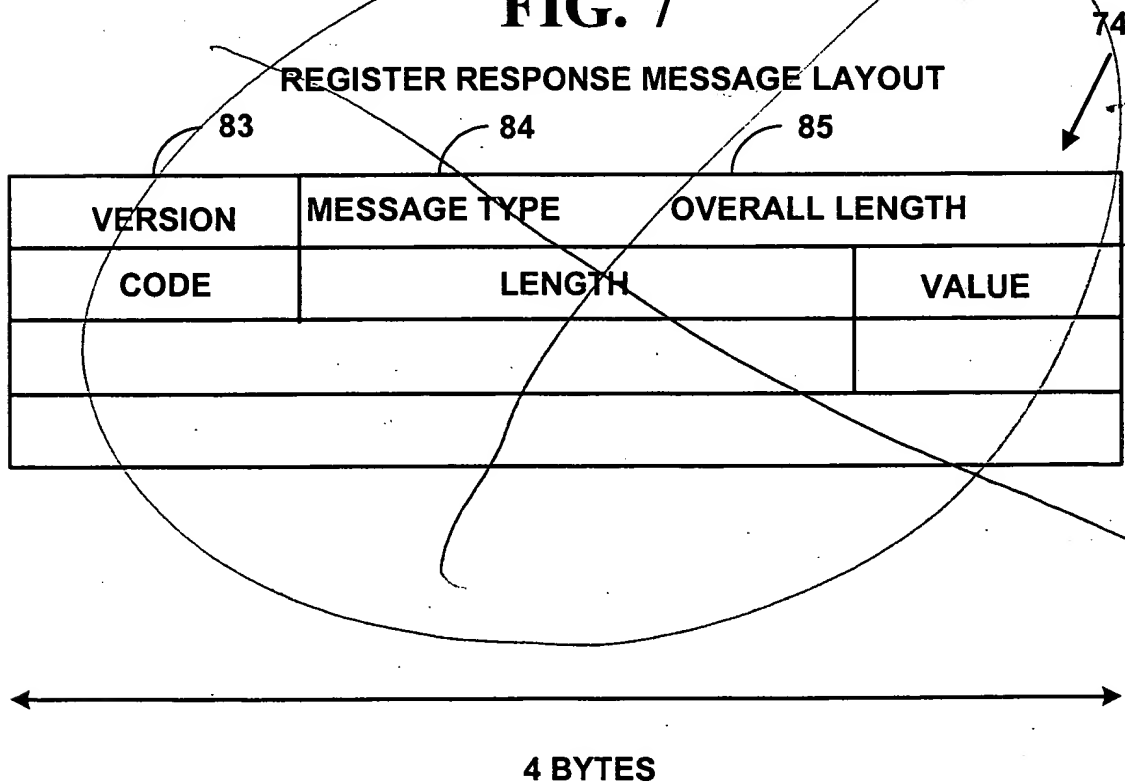
# FIG. 6

## REGISTER REQUEST MESSAGE LAYOUT



# FIG. 7

## REGISTER RESPONSE MESSAGE LAYOUT



**FIGURE 7**  
**REGISTER RESPONSE MESSAGE LAYOUT**

VERSION	MESSAGE TYPE	OVERALL LENGTH	
CODE	LENGTH	VALUE	CLIENT ID
CLIENT ID VALUE (CONT'D)		CODE	FLOW
LENGTH		LOCAL	POLICY
CODE	LENGTH	VALUE	RSIP METHOD
CODE	LENGTH	VALUE	TUNNEL TYPE

4 BYTES

**FIGURE 8**  
**ASSIGN REQUEST MESSAGE LAYOUT**

VERSION	TYPE	LENGTH	
CODE	LENGTH	VALUE	CLIENT ID
CLIENT ID VALUE (CONT'D)		CODE	
LENGTH	TYPE		LOCAL ADDRESS
VARIABLE LENGTH VALUE			
METHOD DEPENDENT FIELDS			

4 BYTES

00000000000000000000000000000000

[illegible]

CODE	LENGTH	NUMBER	LOCAL
VARIABLE NUMBER OF 2 BYTE PORT FIELDS			PORTS
CODE	LENGTH	TYPE	REMOTE
VARIABLE LENGTH VALUE			ADDRESS
CODE	LENGTH	NUMBER	REMOTE
VARIABLE NUMBER OF 2 BYTE PORT FIELDS			PORTS
CODE	LENGTH	VALUE	[LEASE TIME]
LEASE TIME VALUE CONT'D		CODE	[TUNNEL
LENGTH	VALUE		TYPE]







# FIG. 14

44 COMBINATION NETWORK ADDRESS 42 112

EXTERNAL NETWORK ADDRESS (E.G., EXTERNAL IP ADDRESS)	LOCALLY UNIQUE PORT
198.10.20.30	1032

# FIG. 15

126 128 130 122

INTERNAL NETWORK ADDRESS	LOWEST PORT	NUMBER OF PORTS
10.0.0.1	1026	32
10.0.0.3	1057	16

PORT-TO-INTERNAL-NETWORK  
ADDRESS TABLE

**START**

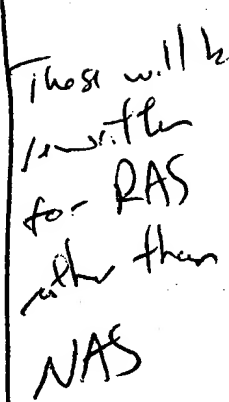
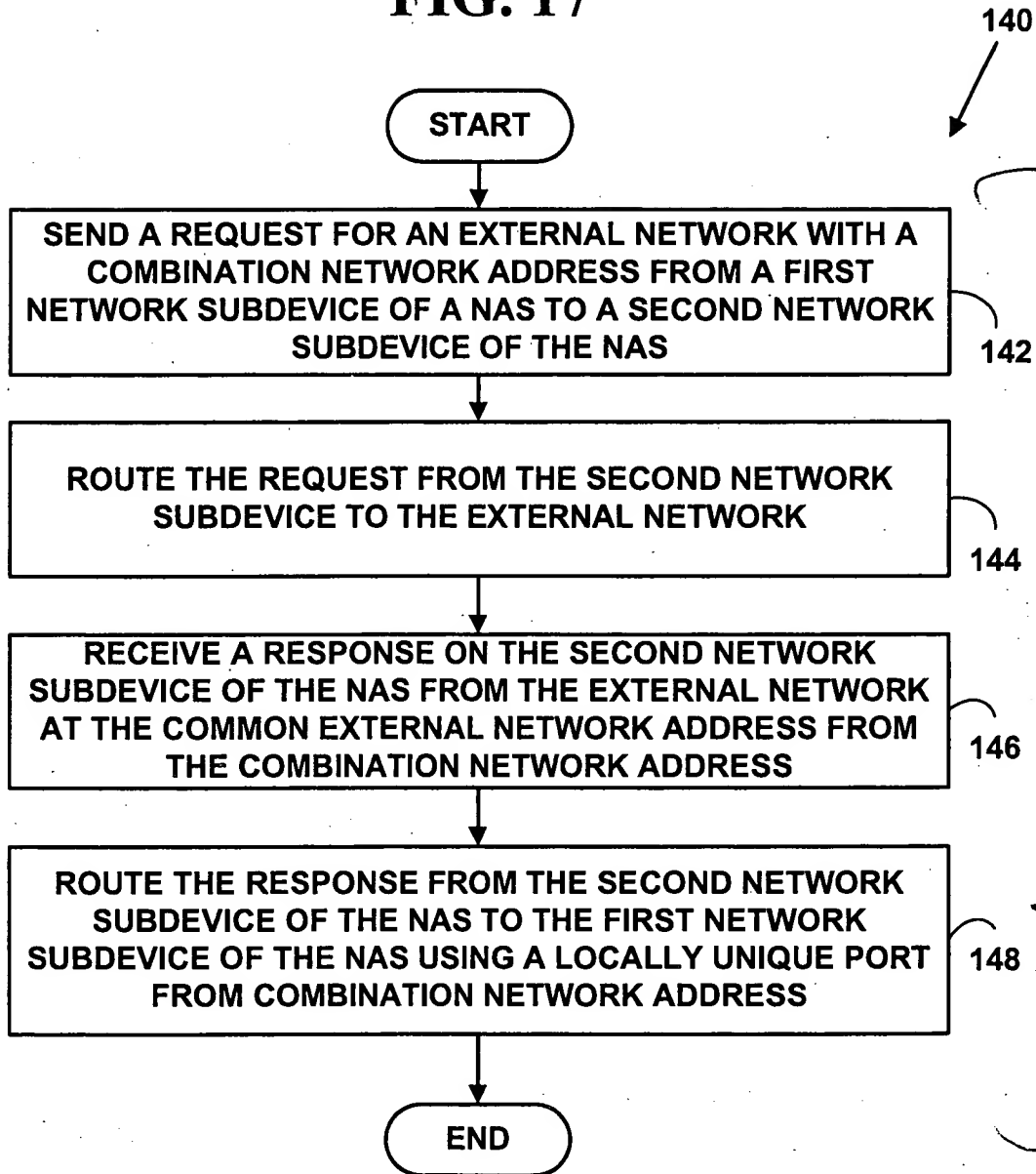


FIG. 17



These will  
be routed  
for RAS  
rather than  
NAS

2025-03-04 14:00:00